

series 1600

features

specifications

'71

NO!

**NOT JUST
ANOTHER
MAGNETIC
TAPE
TRANSPORT**

series 1600

features

but one with these exclusives...

■ EASY SNAP-ON,
SNAP-OFF REEL LOADING

■ NO TAPE THREADING

series 1600



The 1600 is the easiest to load magnetic tape transport, first to feature the exclusive snap-on, snap-off hub release and a leader clamp which eliminates tape threading. The arm-position sensing system, with solid-state infrared light source, gives positive tape motion control with indefinite life. A modular electronics package for ease in servicing is available in Read-After-Write, Read/Write, Read Only, or Write Only versions. The self-contained formatter, in the same electronics cage, drives four 10½" reel transports in a daisy-chain arrangement... and requires no additional power supply. The 1600 operates at speeds to 37 ips, with 7 or 9 channel data at 800 cpi (NRZI) or 1600 cpi (phase-encoded).

■ PHOTOELECTRIC
ARM-POSITION SENSING

■ SELF-CONTAINED
FORMATTER

Yes! *This is not just another magnetic tape transport.*

...and it's not too late to get these features even if you've already designed-in another manufacturer's deck – the series 1600 is a plug-in replacement.

FIRST CLASS

PERMIT NO. 19

Albertson, L. I., N. Y.



BUSINESS REPLY MAIL

No postage necessary if mailed in the United States

Postage will be paid by

DIGITRONICS CORPORATION

1 ALBERTSON AVENUE,
ALBERTSON, L.I., N.Y. 11507

series 1600

YES!

I AM INTERESTED

☐ Please send more detailed information on your series 1600.

☐ Please have your representative contact me.

Our application is _____

Name _____ Title _____

Company _____ Phone _____

Address _____ State _____

City _____ Zip _____



DIGITRONICS CORPORATION

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Cat. No. 1171-7/71

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GENERAL

Tape Speeds

Any speed between 12.5 and 37.5 ips

Recording Densities

1600 cpi PE (Model 1620)

800 cpi NRZI (Model 1610)

Tape

Type. Computer grade

Width. 0.5 inch

Thickness. 1.5 mil

Tape Tension

8 ounces

Reel Diameter

10.5 inches

Recording Format

9 track, IBM compatible

Read/Write Head

Dual gap (Read-after-write)

Single gap (optional)

Start/Stop Distance

0.188 inches maximum at 37.5 ips

Start/Stop Time

10 milliseconds maximum at 37.5 ips

Wind/Rewind Speed

150 ips

BOT/EOT

Photoelectric detection

Electronics

All silicon

File Protection

Data can be written only when write enable ring is in place

Tape Clamp

Locks leader in threaded position, and a linkage attached to the tape and leader allows supply reel to be removed and replaced without rethreading

INTERFACE REQUIREMENTS, DATA AND CONTROL LINES

Inputs

Select (0 thru 3), Synchronous Forward Command, Synchronous Reverse Command, Rewind Command, Off Line Command, Set Write Status, Overwrite Command, Write Data Strobe, Write Amplifier Reset, Read Threshold, Write Data Parity, Write Data (0 thru 7)

Outputs

Ready, On-Line Command, Rewind, End of Tape, Load Point, File Protect, Read Data Parity, Read Data (0 thru 7)

Logic Signal Levels*

True = Low (0 volts)

False = High (3 volts)

POWER REQUIREMENTS

Voltage

105, 115, 125, 210, 220, 230, 240, and 250 VAC, 47 to 63 Hz, Single phase

Dissipation

300 watts maximum

PHYSICAL CHARACTERISTICS

Dimensions

Width. Designed to be mounted in a standard 19 inch RETMA rack

Height. 24.5 inches

Depth. 12 inches overall (9 inches behind mounting rail)

*Interface circuits are designed so that a disconnected wire results in a False signal